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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/731,084	12/10/2003	Hideyuki Otake	031794-10	8294

22204 7590 01/04/2005

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EXAMINER
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NGUYEN, LONG T

ART UNIT	PAPER NUMBER
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2816

DATE MAILED: 01/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/731,084

Applicant(s)

OTAKE, HIDEYUKI

Examiner

Long Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-6 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/10/03 + 5/18/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Specification***

1. The disclosure is objected to because of numerous informalities throughout the specification. For example, "supplied" on line 23 of page 4 should be changed to --in an active state" because the start signal is always supplied regardless of the signal has a logic Lo or a logic Hi; "ceased" on line 1 of page 5 should be changed to --in an inactive state--; "when only said first control signal is supplied" on line 2-3 of page 5 should be changed to --in response to said first control signal while the start signal is in said inactive state--; "when said first control signal and said start signal are supplied at the same time" on line 4-5 of page 5 should be change to --in response to said first control signal while said start signal is in said active state--; etc.

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Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification. Appropriate correction is required.

### ***Claim Objections***

2. Claims 1-6 are objected to because of the following informalities:

Claim 1, line 3, it is suggested to change "supplied" to --in an active state-- because the signal is always supplied whether it is logic Lo or Logic Hi.

Claim 1, line 3, it is suggested to change "levels and" to --levels, respectively, and--.

Claim 1, line 6, it is suggested to change "ceased" to --in an inactive state--.

Claim 1, line 8-9, it is suggested to change "when only said first control signal is supplied" to --in response to said first control signal while the start signal is in said inactive state--.

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Claim 1, line 10-11, it is suggested to change “when said first control signal and said start signal are supplied at the same time;” to --in response to said first control signal while said start signal is in said active state;--.

Claim 1, line 16, it is suggested to change “when said second control signal is supplied” to --in response to said second control signal--.

Claim 2, line 5, --constant-- should be inserted before “internal”.

Claim 2, line 6, “voltage” should be changed to --voltages--.

Claim 2, line 7, “supplied” should be changed to --in an active state--.

Claim 3, line 26-27, “node for outputting a reference voltage and the supply voltage” should be changed to --node, for outputting said first and second reference voltages, and the source potential--.

Claim 3, line 33, “supplied” should be changed to --in said active state--.

Claim 3, line 36, “with said reference voltage” should be changed to --with one of said first and second reference voltages--.

Claim 3, line 41-42, “the supply voltage” should be changed to --the source potential--.

Claim 4, line 26-27, “node for outputting a reference voltage and the supply voltage” should be changed to --node, for outputting said first and second reference voltages, and the source potential--.

Claim 4, line 33, “supplied” should be changed to --in said active state--.

Claim 4, line 36, “with said reference voltage” should be changed to --with one of said first and second reference voltages--.

Claim 3, line 40-41, “the supply voltage” should be changed to --the source potential--.

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Claim 5, line 4, "the supply voltage" should be changed to --the source potential--.

Claim 6, line 4, "the supply voltage" should be changed to --the source potential--.

Appropriate correction is required.

***Allowable Subject Matter***

3. Claims 1-6 would be allowed over prior art upon correcting all of the informalities set forth above.

***Conclusion***

4. This application is in condition for allowance except for the above formal matters.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Long Nguyen whose telephone number is (571) 272-1753. The Examiner can normally be reached on Monday to Friday from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached at (571) 272-1740. The fax number for this group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

December 27, 2004

A handwritten signature in black ink, appearing to read 'Long Nguyen', with a long, sweeping horizontal stroke extending to the right.

Long Nguyen  
Primary Examiner  
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